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- 嘉南藥理大學 教授兼民生學院院長
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□ 專長

- 分子藥理
- 分子營養
- 分子毒理
- 營養免疫

□ 研究方向及興趣

- 天然物的神經保護分子機轉探討
- 天然物的抗血管粥狀硬化分子機轉探討
- 天然物的抗氧化分子機轉探討
- 天然物的抗發炎分子機轉探討
- 具免疫調節活性的保健食品的開發
- 遺傳疾病與基因多型性的相關性研究



<https://sites.google.com/view/ming-jiuanwue-portfolio/home>

□ 專利 (patent)

1. 郭玫君、吳明娟、丁秀玉、邱贊璋、張繼隆、張凱裕、曾允立。中華民國發明專利 (第 1722282 號) 「大黃萃取物及其用於製備抑制皮膚芽孢菌生物膜組成物之用途」(03/2021)
2. 吳明娟、丁秀玉、吳佩珊。中華民國發明專利 (第 1722299 號) 「作為 Nrf2 促效劑之大豆異黃酮衍生物及含此之組成物暨其應用」(03/2021)
3. 田乃月、吳明娟、周俊吉、范吉沅、曾郁雯。中華民國發明專利 (第 1699348 號) 「魚鱗分解菌株及其用途」(07/2020)
4. 郭玫君、吳明娟、吳智元、林冠佑、劉宇庭、蔡佩筑、侯虹亦。中華民國發明專利 (第 1693023 號) 「豆粕醱酵物及其製備方法」(05/2020)
5. 郭玫君、丁秀玉、吳明娟、張繼隆、邱贊璋、鄭玲莉。中華民國發明專利 (第 1679017 號) 「植物萃取物用於製備抑制白色念珠菌生物膜組成物之用途」(12/2019)
6. 丁秀玉、吳明娟、吳佩珊、李曼伯、蘇意婷。中華民國發明專利 (第 1677344 號) 「皺子白花菜萃取物用於製備抗神經發炎之組合物之用途」(11/2019)
7. 顏瑞鴻、陳佩怡、高宛昀、陳世芬、張恒源、吳明娟。中華民國發明專利 (第 1674895 號) 「球松素用於製備降低 LDL 膽固醇之組合物之用途」(10/2019)
8. 吳明娟、丁秀玉、吳佩珊、李曼伯、蘇意婷。中華民國發明專利 (第 1652063 號) 「千根草萃取物用於製備抗神經發炎之組合物之用途」(03/2019)
9. 郭玫君、吳明娟、丁秀玉、梁碩容、呂宜蓁、洪子娘、李佳勳。中華民國發明專利 (第 1626055 號) 「杭荊芥萃取物及其用於製備抑制皮膚芽孢菌組成物之用途」(05/2018)
10. 郭玫君、吳明娟、王芷珊、戴曉昀。中華民國發明專利 (第 1570407 號) 「評估藥物於治療粥狀動脈硬化的功效之方法」(08/2016)
11. 郭玫君、丁秀玉、吳明娟、謝佩珊、莊才峰、林靖賢、趙仕堯、吳佩珊。中華民國發明專利 (第 1564017 號) 「紅茄綠果醇類萃取區分物用於製備兼具抑菌及抑制黑色素生成的外用組成物之用途」(04/2017)
12. 吳明娟、丁秀玉、郭玫君、邱淑媛、蔡月夏、葉倪君、王慧溫。中華民國發明專利(第 1535449 號) 「到手香萃取物於改善痤瘡之用途」(07/2016)
13. 吳明娟、丁秀玉、王麗淑、王慧溫、顏福村。中華民國發明專利(第 1543766 號) 「紅茄萃取物用於製備抗發炎之組成物之用途」(08/2016)

□ 歷年學術研究成果

I. Referred Paper

1. Chen PY, Wang CY, Tsao EC, Chen YT, **Wu MJ**, Ho CT, Yen JH (2022) 5-Demethylnobiletin Inhibits Cell Proliferation, Downregulates ID1 Expression, Modulates the NF- κ B/TNF- α Pathway and Exerts Antileukemic Effects in AML Cells. *Int J Mol Sci.* 23, 7392. <https://doi.org/10.3390/ijms23137392> (7/2022) (IF=6.208, 69/296 in BIOCHEMISTRY & MOLECULAR BIOLOGY)
2. Wu PS, Wang CY, Chen PS, Hung JH, Yen JH, **Wu MJ*** (2021) 8-Hydroxydaidzein Downregulates JAK/STAT, MMP, Oxidative Phosphorylation, and PI3K/AKT Pathways in K562 Cells. *Biomedicines.* 9, 1907. <https://doi.org/10.3390/biomedicines9121907>. (12/2021) (IF= 4.757, 86/279 in PHARMACOLOGY & PHARMACY)
3. Chen PY, Gao WY, Liou JW, Lin CY, **Wu MJ**, Yen JH. (2021) Angiotensin-Like Protein 3 (ANGPTL3) Modulates Lipoprotein Metabolism and Dyslipidemia. *Int J Mol Sci.* 22, 7310. (7/2021) (IF=6.208, 69/296 in BIOCHEMISTRY & MOLECULAR BIOLOGY)
4. Gao WY, Chen PY, Hsu HJ, Lin CY, **Wu MJ**, Yen JH. (2021) Tanshinone IIA Downregulates Lipogenic Gene Expression and Attenuates Lipid Accumulation through the Modulation of LXR α /SREBP1 Pathway in HepG2 Cells. *Biomedicines.* 9: 326 (3/2021) (IF= 4.757, 86/279 in PHARMACOLOGY & PHARMACY)
5. Wu PS, Yen JH, Wang, CY, Chen PY, Hung JH, **Wu MJ*** (2020) 8-Hydroxydaidzein, an Isoflavone from Fermented Soybean, Induces Autophagy, Apoptosis, Differentiation, and Degradation of Oncoprotein BCR-ABL in K562 Cells. *Biomedicines.* 8(11): 506 (11/2020) (IF= 4.757, 86/279 in PHARMACOLOGY & PHARMACY)
6. Wu PS, Jeng J, Yang JJ, Kao V, Yen JH, **Wu MJ*** (2020) *Vernonia patula* (Dryand.) Merr. and *Leucas chinensis* (Retz.) R. Brown exert anti-inflammatory activities and relieve oxidative stress via Nrf2 activation. *J Ethnopharmacol.* 262:113155 (7/2020) (IF= 5.195, 4/30 in INTEGRATIVE & COMPLEMENTARY MEDICINE)
7. Yen JH, Lin CY, Chuang CH, Chin HK, **Wu MJ**, Chen PY (2020) Nobiletin Promotes Megakaryocytic Differentiation through the MAPK/ERK-Dependent EGR1 Expression and Exerts Anti-Leukemic Effects in Human Chronic Myeloid Leukemia (CML) K562 Cells. *Cells.* 2020, 9(4):877; doi:10.3390/cells9040877 (4/2020) (IF= 7.666, 51/194 in Cell biology)
8. Shen KH, Hung JH, Liao YC, Tsai ST, **Wu MJ**, Chen PS (2020) Sinomenine Inhibits Migration and Invasion of Human Lung Cancer Cell through Downregulating Expression of miR-21 and MMPs. *Int J Mol Sci.* 21(9):3080 (1/2020)
9. Thang SK, Chen PY, Gao WY, **Wu MJ**, Pan MH, Yen JH. (2019) Xanthohumol Suppresses NPC1L1 Gene Expression through Downregulation of HNF-4 α and Inhibits Cholesterol Uptake in Caco-2 Cells. *J Agric Food Chem.* 67(40):11119-11128 (10/2019) (IF= 5.895, 6/59 in AGRICULTURE, MULTIDISCIPLINARY)
10. Chang HY, Wu JR, Gao WY, Lin HR, Chen PY, Chen CI, **Wu MJ**, Yen JH. (2019) The Cholesterol-Modulating Effect of Methanol Extract of Pigeon Pea (*Cajanus cajan* (L.) Millsp.) Leaves on Regulating LDLR and PCSK9 Expression in HepG2 Cells. *Molecules.* 24(3): 493. doi:

- 10.3390/molecules24030493 (01/2019)(IF= 4.927, 82/224 in Chemistry, MULTIDISCIPLINARY)
11. Chen PY, Chen YT, Gao WY, **Wu MJ**, Yen JH. (2018) Nobiletin Down-Regulates c-KIT Gene Expression and Exerts Antileukemic Effects on Human Acute Myeloid Leukemia Cells. *J Agric Food Chem.* 66(51):13423-13434. (12/2018) (IF= 5.895, 6/59 in AGRICULTURE, MULTIDISCIPLINARY)
 12. Gao WY, Chen PY, Chen SF, **Wu MJ**, Chang HY, Yen JH.(2018) Pinostrobin inhibits proprotein convertase subtilisin/kexin type 9 (PCSK9) gene expression through the modulation of FoxO3a protein in HepG2 cells. *J Agric Food Chem.* 66(24):6083-6093. (06/2018) (IF= 5.279, 4/75 in CHEMISTRY, APPLIED)
 13. Wu PS, Ding HY, Yen JH, Chen SF, Lee KH, **Wu MJ***. (2018) Anti-inflammatory activity of 8-hydroxydaidzein in LPS-stimulated BV2 microglial cells via activation of Nrf2-antioxidant and attenuation of Akt/NF-kappaB-inflammatory signaling pathways, as well as inhibition of COX-2 activity. *J Agric Food Chem.* 66(23):5790-5801. (06/2018) (IF= 5.279, 4/75 in CHEMISTRY, APPLIED)
 14. Chen PY, Tien HJ, Chen SF, Tang HL, Jung HL, **Wu MJ**, Yen JH. (2018) Response of Myeloid Leukemia Cells to Luteolin is Modulated by Differentially Expressed Pituitary Tumor-Transforming Gene 1 (PTTG1) Oncoprotein. *Int J Mol Sci.* 2018; 19(4):1173 (04/2018)
 15. Chen SF, Chen PY, Hsu HJ, **Wu MJ**, Yen JH. (2017) Xanthohumol Suppresses Mylip/Idol Gene Expression and Modulates LDLR Abundance and Activity in HepG2 Cells. *J Agric Food Chem.* 65(36):7908-7918. doi: 10.1021/acs.jafc.7b02282. (09/2017)
 16. Yen J-H, Wu P-S, Chen S-F, **Wu M-J***. (2017) Fisetin Protects PC12 Cells from Tunicamycin-Mediated Cell Death via Reactive Oxygen Species Scavenging and Modulation of Nrf2-Driven Gene Expression, SIRT1 and MAPK Signaling in PC12 Cells. *Int J Mol Sci.* 18(4): 852. doi:10.3390/ijms18040852 NSC 102-2320-B-041-003-MY3 (04/2017)
 17. Shen KH, Hung JH, Chang CW, Weng YT, **Wu MJ**, Chen PS*. (2017) Solasodine inhibits invasion of human lung cancer cell through downregulation of miR-21 and MMPs expression. *Chem Biol Interact.* 268:129-135. (IF= 5.168; 18/94 in Toxicology) (03/2017)
 18. Chen HC, Chen PY, **Wu MJ**, Tai MH, Yen JH* (2016) Tanshinone IIA Modulates Low Density Lipoprotein Uptake via Down-Regulation of PCSK9 Gene Expression in HepG2 Cells. *PLoS One.* 11(9):e0162414 (IF= 3.240, 29/126 in MULTIDISCIPLINARY SCIENCES, NSC 102-2320-B-041-003-MY3) (09/2016)
 19. Ding HY, Wu PS, **Wu MJ*** (2016) *Cleome rutidosperma* and *Euphorbia thymifolia* Suppress Inflammatory Response via Upregulation of Phase II Enzymes and Modulation of NF-κB and JNK Activation in LPS-Stimulated BV2 Microglia. *Int J Mol Sci.* 17(9). pii: E1420. NSC 102-2320-B-041-003-MY3 (08/2016)
 20. Chiou SY, Ha CL, Wu PS, Yeh CL, Su YS, Li MP, **Wu MJ*** (2015) Antioxidant, Anti-Tyrosinase and Anti-Inflammatory Activities of Oil Production Residues from *Camellia tenuiflora*. *Int J Mol Sci.* 16(12): 29522-29541. doi:10.3390/ijms161226184. NSC 102-2320-B-041-003-MY3 (12/2015)
 21. Huang SL, Chen PY, **Wu MJ**, Tai MH, Ho CT, Yen JH* (2015) Curcuminoids Modulate the PKCδ/NADPH oxidase/ROS Signaling Pathway and Suppress Matrix Invasion during Monocytes-Macrophages Differentiation. *J Agric Food Chem.* 63(40):8838-48. (10/2015)
 22. Wu PS, Yen JH, Kou MC, **Wu MJ***. (2015) Luteolin and apigenin attenuate 4-hydroxy-2-nonenal-

- mediated cell death through modulation of UPR, Nrf2-ARE and MAPK pathways in PC12 cells. *PLoS One* 10(6):e0130599. NSC 102-2320-B-041-003-MY3) (06/2015)
23. Chen PY, **Wu MJ**, Chang HY, Tai MH, Ho CT, Yen JH. (2015) Up-regulation of miR-34a expression in response to the luteolin-induced neurite outgrowth of PC12 cells. *J Agric Food Chem.* 63(16):4148-4159. (04/2015)
 24. Chen PY, Ho YR, **Wu MJ**, Huang SP, Chen PK, Tai MH, Ho CT, Yen JH (2015) Cytoprotective effects of fisetin against hypoxia-induced cell death in PC12 cells. *Food Funct.* 6(1):287-96. (IF= 6.317, 24/143 in FOOD SCIENCE & TECHNOLOGY, 01/2015)
 25. Tai MH, Chen PK, Chen PY, **Wu MJ**, Ho CT, Yen JH (2014) Curcumin enhances cell-surface LDLR level and promotes LDL uptake through down-regulation of PCSK9 gene expression in HepG2 cells. *Mol Nutr Food Res.* 58(11):2133-45. (IF= 6.575, 29/164 in FOOD SCIENCE & TECHNOLOGY, 11/2014)
 26. Wang L, Chiou S.-Y., Shen Y.-T., Yen, F.-T., Ding H.-Y., **Wu M.-J.***(2014) Anti-Inflammatory Effect and Mechanism of the Green Fruit Extract of *Solanum integrifolium* Poir. *Biomed Res Int.* 2014: 953873. (IF= 3.246, 90/158 in BIOTECHNOLOGY & APPLIED MICROBIOLOGY, NSC102-2320-B-041-003-MY3) (08/2014)
 27. Hu LW, Yen JH, Shen YT, Wu KY, **Wu MJ*** (2014) Luteolin modulates 6-hydroxydopamine-induced transcriptional changes of stress response pathways in PC12 cells. *PLoS One* 9(5):e97880. (NSC-99-2320-B-041-005-MY3 and NSC 102-2320-B-041-003-MY3) (05/2014)
 28. Lin MH, Yen JH, Weng CY, Wang L, Ha CL, **Wu MJ*** (2014) Lipid peroxidation end product 4-hydroxy-trans-2-nonenal triggers unfolded protein response and heme oxygenase-1 expression in PC12 cells: roles of ROS and MAPK pathways. *Toxicology* 315:24-37 DOI:10.1016/j.tox.2013.11.007. (SCI, IF= 4.571, 22/94 in TOXICOLOGY, NSC-99-2320-B-041-005-MY3 and NSC 102-2320-B-041-003-MY3)(01/2014)
 29. Weng CY, Chiou SY, Wang L, Kou MC, Wang YJ*, **Wu MJ*** (2014) Arsenic trioxide induces unfolded protein response in vascular endothelial cells. *Arch Toxicol.* 88(2):213-26. DOI 10.1007/s00204-013-1101-x NSC-99-2320-B-041-005-MY3 (SCI, IF= 6.168, 12/94 in Toxicology) (02/2014)
 30. Chiu SP, **Wu MJ**, Chen PY, Ho YR, Tai MH, Ho CT, Yen JH (2013) Neurotrophic action of 5-hydroxylated polymethoxyflavones: 5-demethylnobiletin and gardenin A stimulate neuritogenesis in PC12 cells. *J Agric Food Chem.* 61:9453-63. DOI: 10.1021/jf4024678. (10/2013)
 31. Chiu HW, Chen MH, Fang WH, Hung CM, Chen YL, Wu MD, Yuan GF, **Wu MJ***, Wang YJ. (2013) Preventive effects of monascus on androgen-related diseases: androgenetic alopecia, benign prostatic hyperplasia, and prostate cancer. *J Agric Food Chem.* 61(18):4379-86. 05/2013)
 32. Kou MC, Fu SH, Yen JH, Weng CY, Li S, Ho CT and **Wu MJ***. (2013) Effects of citrus flavonoids, 5-hydroxy-3,6,7,8,3',4'-hexamethoxyflavone and 3,5,6,7,8,3',4'-heptamethoxyflavone, on the activities of macrophage scavenger receptors and the hepatic LDL receptor. *Food Funct.* 2013, 4 (4), 602 - 609 (SCI) NSC-96-2320-B-041-006-MY3 (04/2013)
 33. Kou MC, Chiou SY, Weng CY, Wang L, Ho CT, **Wu MJ***. (2013) Curcuminoids distinctly exhibit antioxidant activities and regulate expression of scavenger receptors and heme oxygenase-1. *Mol Nutr Food Res.* 57(9)1598-1610. NSC-96-2320-B-041-006-MY3 (09/2013)
 34. Lin LF, Chiu SP, **Wu MJ**, Chen PY, Yen JH*. (2012) Luteolin induces microRNA-132 expression and

- modulates neurite outgrowth in PC12 Cells. *PLoS One* 7(8): e43304. (08/2012)
35. Wang L, Kou MC, Weng CY, Hu LW, Wang YJ*, **Wu MJ***. (2012) Arsenic modulates heme oxygenase-1, interleukine-6 and vascular endothelial growth factor expression in endothelial cells: roles of ROS, NF- κ B and MAPK pathways. *Arch Toxicol.* 86(6): 879-896 (04/2012)
 36. Liao KK, **Wu MJ**, Chen PY, Huang SW, Chiu SJ, Ho CT, Yen JH*. (2012) Curcuminoids Promote Neurite Outgrowth in PC12 Cells through MAPK/ERK- and PKC-Dependent Pathways. *J Agric Food Chem.* 60: 433–443 (01/2012) NSC-99-2320-B-041-005-MY3
 37. Su JD, Yen JH, Li S, Weng CY, Lin MH, Ho CT, **Wu MJ*** (2012) 3',4'-didemethylnobiletin induces Phase II detoxification gene expression and modulates PI3K/Akt signaling in PC12 cells. *Free Radic Biol Med.* 52(1):126-141. **(SCI, IF= 8.101, 22/146 in ENDOCRINOLOGY & METABOLISM)** (01/2012) NSC-99-2320-B-041-005 –MY
 38. Lai HC, **Wu MJ**, Chen PY, Sheu TT, Chiu SP, Lin MH, Ho CT, Yen JH* (2011). Neurotrophic Effect of Citrus 5-Hydroxy-3,6,7,8,3',4'-hexamethoxyflavone: Promotion of Neurite Outgrowth via cAMP/PKA/CREB Pathway in PC12 Cells. *PLoS One* 6(11):e28280 (11/2011) NSC-99-2320-B-041-005-MY3 (2011,11)
 39. Foo NP, Lin SH, Lee YH, Ho YS, **Wu MJ***, Wang YJ* (2011) α -Lipoic acid inhibits liver fibrosis through the attenuation of ROS-triggered signaling in hepatic stellate cells activated by PDGF and TGF- β . *Toxicology.* 282(1-2):39-46 (03/2011)
 40. Wang L, Weng CY, Wang Y-J* and **Wu MJ*** (2011) Lipoic acid ameliorates arsenic trioxide-induced HO-1 expression and oxidative stress in THP-1 monocytes and macrophages. *Chem Biol Interact.* 190(2-3):129-38. (04/2011) (NSC-96-2320-B-041-006-MY3)
 41. Yen JH, Weng CY, Li S, Lo YH, Pan MH, Fu SH, Ho CT, **Wu MJ*** (2011) Citrus flavonoid, 5-demethylnobiletin, suppresses scavenger receptor expression in THP-1 cells and alters lipid homeostasis in HepG2 liver cells. *Mol Nutr Food Res.* 55(5):733-48. (05/2011) NSC-96-2320-B-041-006-MY3
 42. Lin CW, **Wu M-J**, Liu IYC, Su JD, Yen JH (2010) Neurotrophic and cytoprotective action of luteolin in PC12 cells through ERK-dependent induction of Nrf2-driven HO-1 expression. *J Agric Food Chem.* 58: 4477-86 (04/2010)
 43. Lo YH, Pan MH, Li S, Yen JH, Kou MC, Ho CT, **Wu M-J***(2010) Nobiletin metabolite, 3',4'-dihydroxy-5,6,7,8-tetramethoxyflavone, inhibits LDL oxidation and down-regulates scavenger receptor expression and activity in THP-1 cells. *BBA – Molecular and Cell Biology of Lipids.* 1801:114–126 (02/2010) IF=5.228, 16/72 in Biophysics
 44. Hong JT, Yen JH, Wang L, Lo YH, Chen ZT, **Wu M-J***(2009) Regulation of Heme Oxygenase-1 Expression and MAPK Pathways in Response to Kaempferol and Rhamnocitrin in PC12 Cells. *Toxicol Appl Pharmacol.* 37: 59-68. (05/2009) IF=4.460, 25/94 in Toxicology
 45. Kuo MC, Yen JH, Hong JT, Wang CL, Lin CW, **Wu M-J*** (2009) *Cyphomandra betacea* Sendt. phenolics protect LDL from oxidation and PC12 cells from oxidative stress. *Lwt-Food Sci Technol.* 42:458–463. **(03/2009)**
 46. Kuo MC, Chang CY, Cheng TL, **Wu M-J*** (2008) Immunomodulatory effect of *Antrodia camphorata* mycelia and culture filtrate. *J Ethnopharmacol.* 120: 196–203. (11/2008)

47. Lian TW, Wang L, Lo YH, Huang IJ, **Wu M-J*** (2008) Fisetin, morin and myricetin attenuate CD36 expression and oxLDL uptake in U937-derived macrophages. *Biochim Biophys Acta*. 1781: 601–609 **(10/2008)**
48. Shiau JW, Tsai LC, **Wu M-J**, Liou JF, Tailiu JJ, Tsai C, Chen LR (2008) Cloning and sequencing of telomerase reverse transcriptase (TERT) gene from White Leghorn chicken. *Taiwan Livestock Res*. 41: 35-44. (03/2008)
49. Chen YH, Chang FR, Lu MC, Hsieh PW, **Wu M-J**, Du YC, Wu YC (2008) New Benzoyl Glucosides and Cytotoxic Pterisin Sesquiterpenes from *Pteris ensiformis* Burm. *Molecules*. 13:255-266 (02/2008)
50. Wang L, Ha CL, Cheng TL, Cheng SY, Lian TW, **Wu M-J*** (2008). Oral administration of submerged cultivated *Grifola frondosa* enhances phagocytic activity in normal mice. *J Pharm Pharmacol*. 60(2):237-43. **(02/2008)**
51. Chen YS, Chang FJ, Lin YJ, Hsieh PW, Chen JF, **Wu M-J***, Wu YC (2008) Identification of Antioxidants from Rhizome of *Davallia solida*. *Food Chem*. 107: 684–691 **(NSC-94-2320-B-041-010) (03/2008)**
52. Wei H-A, Lian T-W, Tu Y-C, Hong J-T, Kou M-C, **Wu M-J***. (2007) Inhibition of low density lipoprotein oxidation and oxidative burst in polymorphonuclear neutrophils by caffeic acid and hispidin derivatives isolated from Sword Brake Fern (*Pteris ensiformis* Burm.). *J Agric Food Chem*. 55:10579-10584 **(NSC-94-2320-B-041-010) (12/2007)**
53. Tu YC, Lian TW, Yen JH, Chen ZT, **Wu M-J*** (2007) Antiatherogenic effects of kaempferol and rhamnocitrin. *J Agric Food Chem*. 55(24): 9969-9976 **(NSC-94-2320-B-041-010) (11/2007)**
54. Chen YS, Chang FJ, Lin YJ, Wang L, Chen JF, Wu YC, **Wu M-J*** (2007) Identification of Phenolic Antioxidants from Sword Brake Fern (*Pteris ensiformis* Burm.). *Food Chem*. 105:48-56 **(NSC-93-2320-B-041-003) (11/2007)**
55. Kuo M-C, Chang C-Y, Cheng T-L, **Wu M-J*** (2007) Immunomodulatory effect of exo-polysaccharides from submerged cultured *Cordyceps sinensis*: enhancement of cytokine synthesis, CD11b expression, and phagocytosis. *Appl Microbiol Biotechnol*. 75(4):769-75 **(06/2007)**
56. Wang L, Tu Y-C, Lian T-W, Hung J-H, Yen J-H, **Wu M-J*** (2006) Distinctive Antioxidant and Anti-Inflammatory Effects of Flavonols. *J Agric Food Chem*. 54: 9798-9804 **(NSC-94-2320-B-041 -010) (11/2006)**
57. Lin TC, Yen JM, Gong KB, Kuo TC, Ku DC, Liang SF, **Wu M-J** (2006) Abnormal glucose tolerance and insulin resistance in polycystic ovary syndrome amongst the Taiwanese population- not correlated with insulin receptor substrate-1 Gly972Arg/Ala513Pro polymorphism. *BMC Med Genet*. 7:36 **(04/2006)**
58. **Wu M-J***, Cheng T-L, Cheng S-Y, Lian T-W, Wang L, Chiou S-Y (2006) Immunomodulatory Properties of *Grifola frondosa* in Submerged Culture. *J Agric Food Chem*. 54: 2906-2914 **(NSC-92-2622-B-041-001 and NSC-93-2622- B-041-001) (03/2006)**
59. Ha C-L, Weng C-Y, Wang L, Lian T-W, **Wu M-J*** (2006) Immunomodulatory Effect of *Glossogyne tenuifolia* in Murine Peritoneal Macrophages and Splenocytes. *J Ethnopharmacol*. 107:116-125 **(NSC 91-2320- B-041-006) (08/2006)**
60. Kuo M-C, Weng C-Y, Ha C-L, **Wu M-J*** (2006) *Ganoderma lucidum* Mycelia Enhance Innate Immunity by Activating NF-κB. *J Ethnopharmacol*. 103: 217-222 **(01/2006)**

61. **Wu M-J***, Huang C-J, Lian T, Kou M-C, Wang L (2005) Antioxidant Activity of *Glossogyne tenuifolia*. *J Agric Food Chem.* 53 (16): 6305-6312 **(NSC 93-2320-B-041-003) (07/2005)**
62. Weng YC, **Wu M-J***, Lin W-S (2005) CT60 Single Nucleotide Polymorphism of the CTLA-4 Gene Is Associated with Susceptibility to Graves' Disease in the Taiwanese Population. *Ann Clin Lab Sci.* 35(3): 259-264 (07/2005)
63. **Wu M-J***, Weng CY, Wang L, Lian T (2005) Immunomodulatory Mechanism of the Aqueous Extract of Sword Brake Fern (*Pteris ensiformis* Burm.). *J Ethnopharmacol.* 98: 73-81 **(NSC 91-2320-B-41-006 and NSC 93-2320-B-041-003) (04/2005)**
64. **Wu M-J***, Weng CY, Ding HY, Wu PJ (2005) Anti-Inflammatory and Antiviral Effects of *Glossogyne tenuifolia*. *Life Sci.* 76: 1135-1146 **(NSC 91-2320-B-041-006) (01/2005)**
65. **Wu M-J***, Wang L, Ding HY, Weng CY, Yen JH (2004) *Glossogyne tenuifolia* Acts to Inhibit Inflammatory Mediator Production in a Macrophage Cell Line by Down-Regulating LPS-Induced NF- κ B. *J Biomed Sci.* 11:186-199. **(NSC 90-2320-B-041-012 and NSC 91-2320-B-041-006) (03/2004)**
66. **Wu M-J***, Yen JH, Wang L, Weng CY (2004) Antioxidant Activity of Porcelainberry (*Ampelopsis brevipedunculata* (Maxim.) Trautv.). *Am J Chin Med.* 32, 681-693 **(NSC 89-2214-E-041-007)**
67. **Wu M-J***, Wang L, Weng CY, Yen JH (2003) Antioxidant activity of methanol extract of the lotus leaf (*Nelumbo nucifera* Gertn.). *Am J Chin Med.* 31:687-698 **(NSC 89-2214-E-041-007)**
68. Wang L, Liang H-L, Yen J-H, **Wu M-J*** (2003) Antioxidant effect of methanol extracts lotus plumule and blossom (*Nelumbo nucifera* Gertn.). *J Food Drug Anal.* 11: 60-66 **(NSC 89-2214-E-041-007)**
69. **Wu M-J***, Chou L-W, Wang L (2002) Antioxidant activities of azuki beans and pods (*Vigna angularis*). *Food Science and Agricultural Chemistry* 4: 74-80.
70. Wang S-J*, Chow L-W, **Wu M-J** (2002) Multiplex PCR for the simultaneous detection of the SEA, SEB, SEC, SED and SEE genes of enterotoxigenic *Staphylococcus aureus*. *J Food Drug Anal.* 10: 164-169.
71. Kou M-C, Chen C-C, Cheng C-C, **Wu M-J**, Chiu K-H, Lin Y-C, Yang J-M* (2002) Effects of age and gender on mean plasma homocysteine levels in inhabitants of the Chianan region of Taiwan. *Nutritional Sciences Journal* 27: 84-91.
72. Kou M-C, Wang L, Liang K-J, **Wu M-J*** (2001) Genotyping 5,10-methylenetetrahydrofolate reductase for patients with coronary artery disease in southern Taiwan. *J Food Drug Anal.* 9: 173-177.
73. **Wu M-J***, Liang K-J, Wang L, Kou M-C (2000) The antioxidative activity of coriander (*Coriandrum sativum*) against DNA damage induced by Fenton reaction. *Chia Nan Annual Bulletin* 26:192-199.
74. Kuo M-C, Feng H-P, **Wu M-J** (2000) Antibacterial activity in betel quid extracts on selected microorganisms of mouth and digestive system. *Chia Nan Annual Bulletin* 26:186-191.
75. Hsieh M*, Li SY, Chen YY, Tsai CJ, Lin ML, Li C, **Wu M-J** (1999) A non-radioactive polymerase chain reaction method for diagnosis of Machado-Joseph disease. *Journal of the Formosan Medical Association.* 98: 705-707.
76. **Wu M-J***, Chow L-W, Hsieh M. (1998) Amplification of GAA/TTC triplet repeat in vitro: preferential expansion of (TTC) n strand. *BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR BASIS OF DISEASE* 1407:155-162.

77. **Wu M-J**, Chen-Liu LW, Xiao Q, Phillips ML, Elovson J, Linton MF, Young SG, Schumaker VN. (1997) Secretion from cell culture of HDL and VLDL bearing apoB-33 with a large internal deletion. *Journal of Lipid Research*. 38:2473-2482
78. Schmitz F, Pratt DS, **Wu M-J**, Kolakowski LF Jr, Beinborn M, Kopin AS. (1996) Identification of cholecystokinin-B/gastrin receptor domains that confer high gastrin affinity: utilization of a novel *Xenopus laevis* cholecystokinin receptor. *Molecular Pharmacology* 50:436-341
79. **Wu M-J**, Butler E, Butler R, Schumaker VN (1991) Identification of the base substitution responsible for the Ag(x/y) polymorphism of apolipoprotein B-100. *Arteriosclerosis & Thrombosis*. 11:379-384
80. Rapacz J, Chen L, Butler-Brunner E, **Wu M-J**, Hasler-Rapacz JO, Butler R, Schumaker VN (1991) Identification of the ancestral haplotype for apolipoprotein B suggests an African origin of *Homo sapiens sapiens* and traces their subsequent migration to Europe and the Pacific. *Proceedings of the National Academy of Sciences of the United States of America*. 88:1403-1406
81. 蘇遠志、簡金源、吳明娟 (1989) 利用固定化酵素技術製造核苷酸調味料之研究. *台大農學院研究報告* 29(1): 18-33

II. Conference Paper

International

1. PS Wu, SH Teng, SF Chuang, **MJ Wu***. Characterization of organic acids and microorganisms in three fruit yeast starters. (Poster S3-3, 2019 International Conference on Pharmaceutical & Cosmetic Sciences and Health Biotechnology, Tainan, Taiwan, 23-24 Oct., 2019)
2. PS Wu, J Jeng, JJ Yang, PS Wu, **MJ Wu***. *Vernonia patula* (Dryand.) Merr. and *Leucas chinensis* (Retz.) R. Brown exhibit antioxidant and anti-inflammatory activities. (Poster S3-4, 2019 International Conference on Pharmaceutical & Cosmetic Sciences and Health Biotechnology, Tainan, Taiwan, 23-24 Oct., 2019)
3. PS Wu, HY Ding, TS Chang, **MJ Wu***. Neuroprotective Effects of Isoflavone Metabolites. (Poster S3-5, 2019 International Conference on Pharmaceutical & Cosmetic Sciences and Health Biotechnology, Tainan, Taiwan, 23-24 Oct., 2019)
4. **NY Tien***, MJ Wu. Isolation and characterization of a microbial strain (CNU23) capable of decomposing fish scales. (Poster S3-12, 2019 International Conference on Pharmaceutical & Cosmetic Sciences and Health Biotechnology, Tainan, Taiwan, 23-24 Oct., 2019)
5. HJ Tien, PY Chen, J H Chen, **MJ Wu**, JH Yen*. Luteolin-mediated apoptosis in leukemia cells involves PTTG1 oncoprotein and differential responses. (Poster AGFD 177, 245th American Chemical Society National Meeting August 16- 20, 2015 in BOSTON)
6. HC Chen, **MJ Wu**, PY Chen, YC Chen, MH Tai, JH Yen*. Tanshinone IIA modulates cell-surface LDLR level and LDL uptake via suppression of PCSK9 gene expression in HepG2 cells. (Poster AGFD 181, 245th American Chemical Society National Meeting August 16- 20, 2015 in BOSTON)
7. **MJ Wu**, JH Yen. Luteolin protects against 6-hydroxydopamine-induced endoplasmic reticulum stress and induces neurite outgrowth in PC12 cells (**Moderator/Organizer** of session 15; Oral O85, 2013 ISNFF Conference and Exhibition, Taipei, 8 Nov., 2013)
8. M.H. Tai, S.L. Huang, P.Y. Chen, **M.J. Wu**, C.T. Ho, J.H. Yen. Curcumin decreases PCSK9 gene expression via regulation of hepatocyte nuclear factor 1 α (HNF1 α) in HepG2 cells. (Poster P14, 2013 Pharma-Nutrition, Singapore, 16 April 2013)
9. Chiu SP, **Wu MJ**, Huang SW, Ho CT, Yen JH*. Citrus 5-hydroxylated polymethoxyflavones promote neuritogenesis through cAMP response element binding protein (CREB) pathway in PC12 cells. (Poster, the 243rd ACS National Meeting, San Diego, California, USA, 2012)
10. Lai HC, **Wu MJ**, Ho CT, Yen JH. 5-Hydroxy-3,6,7,8,3',4'-hexamethoxyflavone, a citrus polymethoxylated flavonoid, promotes neuronal differentiation through PKA/CREB pathway in PC12 cells. Pharma-Nutrition Conference. April 18-20, 2011 in Amsterdam, The Netherlands (Section 5 oral presentation).
11. Liao K, Lee K, **Wu MJ**, Ho C, Yen J (2010) Curcuminoids promote neuronal differentiation of PC12 cells through PKC-dependent phosphorylation of CREB protein. 240th American Chemical Society National Meeting August 22 - 26, 2010 in BOSTON (poster 139).

12. Wang RY, Li MS, Lin CW, **Wu MJ**, Liu IY, Yen JH*. Luteolin mimics neurotrophic factor to confer neuroprotective effect on PC12 cells and ameliorate contextual fear learning in mice. The Molecular and Cellular Cognition Society (Chicago, USA, 2009).
13. Yang ZH, Huang HL, **Wu MJ** and Ha CL (2009) The hepatic polymeric immunoglobulin receptor is down-regulated in mice fed diet containing deep frying oil. The 19th International Congress of Nutrition, October 4-9, Bangkok, Thailand. Ann. Nutr. Metab. 55(suppl):453
14. Wang L, Wang Y-J, **Wu M-J** (2006) Distinctive antioxidant and anti-inflammatory effects of flavonols. 13th Annual Meeting of Society for Free Radical Biology and Medicine (SFRBM). Denver, Colorado, USA. (poster 63)

Domestic

1. 吳明娟. 木犀草素抑制6-羥基多巴胺的細胞毒性並誘導PC12細胞的神經軸突生長. 2015生物資源與科技研討會(受邀演講)(Jan 20, 2015, 台南)
2. 戴曉昫;王芷珊;翁菁憶;郭政君*;吳明娟*. 以小鼠淋巴結內皮細胞(SVEC4-10)平台探討木犀草素(Luteolin)抗粥狀動脈硬化之影響. 第42屆台灣食品科學技術學會 (Nov. 30, 2012, New Taipei, B065)
3. Lin LF (林蓮芳), **Wu MJ**, Tu YT (涂寓婷), Hong YH (洪意涵), Ho CT, Yen JH*. Luteolin promotes neurite outgrowth through ERK/CREB signaling pathway in PC12 cells. (Taiwan, 2011) (壁報論文, 第19屆細胞及分子生物新知研討會)
4. Lai HC (賴慧綺), **Wu MJ**, Chiu SP (邱思萍), Huang SW(黃思璋), Wang WD(王偉登), Ho CT, Yen JH*. Citrus Flavonoid, 5-Hydroxy-3,6,7,8,3',4'-Hexamethoxyflavone, Promotes Neuronal Differentiation Through cAMP/PKA/CREB Pathway in PC12 Cells. (Taiwan, 2011) (壁報論文, 第19屆細胞及分子生物新知研討會)
5. Yen JH, Weng CY, Li S, Lo YH, Pan MH, Fu SH, Ho CT, **Wu MJ***. Orange polymethoxylated flavones suppress scavenger receptor expression in THP-1 cells and alter lipid homeostasis in HepG2 liver cells. 2011 Taiwan-Russian Organic, Medicinal and Biochemistry Interactions & PST Medicinal Chemistry Symposium. April 3-5 in Nantou, Taiwan (Invited speaker)
6. Wang, L, Weng CY, Wang Y-J* and **Wu MJ***. Lipoic acid ameliorates arsenic trioxide-induced cytotoxicity, HO-1 expression and oxidative stress in THP-1 cells. 2011 Taiwan-Russian Organic, Medicinal and Biochemistry Interactions & PST Medicinal Chemistry Symposium. April 3-5 in Nantou, Taiwan (poster PP-50)
7. 張綺芳 郭俞廷 顏珮勳 翁菁憶 郭政君* 吳明娟*. Antioxidant ability of luteolin, apigenin and chrysin against DPPH radicals and LDL oxidation. 第40屆台灣食品科學技術學會 (Dec. 3, 2010, Taichung, Taiwan, E136).
8. 黃郁媛;吳婉君;翁菁憶;郭政君*;吳明娟*. 探討去甲氧基薑黃素和去二甲氧基薑黃素抑制黑色素之機轉. 第40屆台灣食品科學技術學會 (Dec. 3, 2010, Taichung, Taiwan, B151).
9. Liao KK, **Wu MJ**, Lin CW, Yen JH*. Mechanisms of Curcumin and its Derivatives in Promoting Cell Differentiation of PC12 Cells. The 25th Joint Annual Conference of Biomedical Sciences (March 27-28, Taiwan,2010) (生物醫學年會壁報論文)

10. Wang RY, Li MS, Lin CW, **Wu M-J**, Liu IY, Yen JH*. Luteolin mimics neurotrophic factor to confer neuroprotective effect on PC12 cells and ameliorate contextual fear learning in mice. The 8th annual Molecular and Cellular Cognition Society (Chicago, USA, Oct 15-16, 2009).
11. Lin CW, **Wu M-J**, Ingrid Y Liu, Yen JH*. Neuroprotective effect of TCU-168 against serum-deprivation and oxidative stress-induced cell death via MAPK activation and heme oxygenase-1 expression. The 24th Joint Annual Conference of Biomedical Sciences (Taiwan, March 21-22, 2009) (生物醫學年會壁報論文).
12. Liang KJ, **Wu M-J**, Yen JH*. Activation of PPAR gamma by oleanane-type triterpenoids. The 22nd Joint Annual Conference of Biomedical Sciences (Taiwan, March 17-18, 2007).
13. Yi-ting Hsu, Hui-ju Lin, Ming-fen Chuang, Yi-wen Wang, Mei-Chun Kuo, **Ming-Jiuan Wu*** (2007) Free radical scavenging and tyrosinase inhibition properties of a polyphenol fraction isolated from the fruit of tree tomato (*Cyphomandra betacea* Sendt.) (彰化, Dec. 7, 2007食科年會 E-7)
14. Lin YJ, Hsueh JF, Wu CJ, **Wu M-J***, Kuo MC (2006) Antioxidant effects of sword brake fern (*Pteris ensiformis* Burm) and its major components (2006年食科年會 E-54)
15. Deng CR, Lin YF, Yu SS, Kuo MC, **Wu M-J*** (2006) The Immunodulating Enhancement from submerged culture of the *Antrodia cinnamomea* (2006年食科年會 E-126)
16. Wei SA, Lian TW, **Wu M-J***, Chiou SY (2006) The antioxidant mechanisms against LDL oxidation by sword brake fern (*Pteris ensifotmis* Burm.) and its major components (第四十四屆台灣農化學會)
17. Tu YT, **Wu M-J***, Chiou SY (2006) Differential Effects of Flavonols on Scavenging ROS Production in vitro and in Human Neutrophils (第四十四屆台灣農化學會)
18. Wei SA, Lian TW, Tu YT, **Wu M-J***(2005) The antioxidant mechanisms against LDL oxidation by sword brake fern (*Pteris ensifotmis* Burm.) and its major components (94年度中國藥學年會 壁報論文第三名)
19. **Wu M-J***(2005) Immune Stimulating Properties of Polysaccharides Prepared from Submerged Cultivated Maitake (*Grifola frondosa*) Mycelium(94年度中國藥學年會 oral presentation)
20. Chou HY, Chang YH, Wang L, **Wu M-J***(2005) Studies on Anti-inflammatory Activities of Fractions of *Pteris ensiformis* Burm. (Sword Brake Fern) (94年度中國藥學年會)
21. Tu YT, **Wu M-J***(2005)Evaluation of the Antioxidant Activities of Different Flavonols by the Chemiluminescence Method (94年度中國藥學年會)
22. Chou HY, Chang YH, Wang L, **Wu M-J***(2005) Studies on Anti-inflammatory Activities of Fractions of *Pteris ensiformis* Burm. (Sword Brake Fern) (94 年度食科年會 E-82)
23. Kuo MC, Lin YT, Lu HT, Hwang YJ, Kung SP, **Wu M-J***(2005) The Immunodulating Effects from Submerged Culture of the *Cordyceps sinensis* (94 年度食科年會 E-75)
24. Cheng SY , Cheng TL, Ha CL, Chiou SY, **Wu M-J*** (2005) Optimization of the submerged culture for the production of *Grifola frondosa* TSRI01 Mycelia Biomass and study on its immunomodulatory function. (第四十三屆台灣農化學會 優良論文獎)
25. Weng YC, **Wu M-J***, Lin WS (2004) Two single nucleotide polymorphisms of the CTLA-4 gene are associated with susceptibility to Graves' disease in the Taiwanese population. (九十三年度中華民國醫事檢驗學會 優秀壁報論文獎)

26. Lian ZW, Wang L, **Wu M-J***(2004) The anti-inflammatory effects of flavonols. International Biotech Conference and Exhibition. 7B-1, pp131
27. Weng CY, Ha CL, Wang L, **Wu M-J*** (2004) Anti-inflammatory effect of *Glossogyne tenuifolia* is mediated through down-regulating NF-kB and MAPK signaling pathways. 2004 International Symposium on Functional Foods for Health in Taiwan. P2-06, pp296
28. Kou MC, Weng CY, Hsia LL, Chen YM, **Wu M-J*** (2004) *Ganoderma lucidum* Mycelium Enhances Innate Immunity by Activating NF-kB. 2004 International Symposium on Functional Foods for Health in Taiwan. P2-01, pp291
29. Weng CY, Kuo MC, Hsia LL, Chen YM, Ku DC, Wang L, **Wu M-J***(2004) Hepatomechanism of Hsiang-Ju (*Glossogyne tenuifolia* Gass): Anti-viral, antioxidant and anti-inflammatory effects. The Nineteenth Joint Annual Conference of Biomedical Sciences. P649, pp369
30. Weng CY, Liang SF, Wang LS, **Wu M-J***(2004) Anti-inflammatory mechanism of ethanol extract of Hsiang Ju (*Glossogyne tenuifolia* Gass) in mouse peritoneal macrophages and spleen cells. The Nineteenth Joint Annual Conference of Biomedical Sciences. P645, pp368
31. 辜東琪、梁淑芬、吳佩蓉、**吳明娟***(2003)香菇保肝機制的探討.食科年會壁報 EP-47, pp370
32. Hsia LL, Chen YM, Kuo MC, Ha CL, **Wu M-J***(2003) *Ganoderma lucidum* mycelium enhances oxidative burst responses in mice. 食科年會口頭論文宣讀 EO-10, pp163
33. Weng CY, Liang SF, Wang L, **Wu M-J*** (2003) Anti-inflammatory mechanism of ethanol extract of Hsiang Ju (*Glossogyne tenuifolia* Gass) in mouse peritoneal macrophages and spleen cells. Taiwan Society for Biochemistry and Molecular Biology. The Third Fall Camp. P13, pp59
34. 吳明娟、范蕙芬、鄭淑云 (2003) 去尖蒼耳子與鳳尾草之抗發炎功效探討.保健食品年會 P-05, pp34
35. Wang LS, **Wu M-J ***, Weng C.Y., Yen J. H. (2003) Inhibition of iNOS gene expression via suppression of NF-kB activation and primary mediators synthesis by the ethanol extract of Hsiang Ju (*Glossogyne tenuifolia* Gassini) The Eighteenth Joint Annual Conference of Biomedical Science P433, pp194
36. **吳明娟***、范蕙芬、鄭淑云(2002)七種中草藥之抗發炎功效探討.食科年會壁報 EP-43, pp346.

□ NSC Project (國科會研究計畫) (2001~now)

編號	計畫名稱	擔任工作	起迄年月
001	中式飲料抗發炎之保健功能探討(90-2320-B-041-012-)	主持人	2001/8/1 至 2002/9/30
002	以動物模式探討香菇草之抗發炎功能(91-2320-B-041-006-)	主持人	2002/8/1 至 2003/7/31
003	舞茸菌絲體多醣的最佳生產條件及免疫調節功能探討(1/2)(92-2622-B-041-001-)	主持人	2003/8/1 至 2004/7/31
004	靈芝菌絲體胞內和胞外多醣體對腸體液免疫反應之影響(93-2320-B-041-004-)	共同主持人	2004/8/1 至 2005/7/31
005	舞茸菌絲體多醣的最佳生產條件及免疫調節功能探討(2/2)(93-2622-B-041-001-)	主持人	2004/8/1 至 2005/7/31
006	具抗發炎功效的青草之抗血管粥狀硬化功效評估及分子機轉探討(93-2320-B-041-003-)	主持人	2004/8/1 至 2005/7/31
007	類黃酮對脂泡細胞形成的分子機轉研究 (94-2320-B-041 -010 -)	主持人	2005/8/1 至 2006/7/31
008	天然物對砷所誘發之血管粥狀硬化抑制機制之探討 (95-2320-B-041-010-)	主持人	2006/8/1 至 2007/7/31
009	天然物對砷所引起的粥狀血管硬化及免疫力改變之影響 (96-2320-B-041-006-MY3)	主持人	2007/8/1 至 2010/7/31
010	具抗氧化活性中式飲品影響血管粥狀硬化與脂質代謝之分子研究(\$2342000)	共同主持人	2008/8/1 至2011/7/31
011	柑橘類果皮多甲基類黃酮的抗血管粥狀硬化的功效及機轉探討(NSC 98-2313-B-041-002 -MY3)(\$3767000)	共同主持人	2009/8/1 至2012/7/31
012	類黃酮對保護PC12類神經細胞免於氧化傷害及促進突觸生長之功能及機轉探討 (NSC 99-2320-B-041 -005 -MY3)(\$3660000)	主持人	2010/8/1 至2013/7/31
013	柑橘類黃酮影響神經細胞功能與學習記憶之分子研究 NSC 101-2313-B-320-001 (\$850000)	共同主持人	2012/8/1至2013/7/31
014	具Nrf2活化功能的植化素之神經保護功效探討:內質網壓力及氧化壓力(NSC 102-2320-B-041-003-MY3)	主持人	2013/8/1 至2016/7/31
015	多酚類植化素影響肝細胞PCSK9基因表達與調節低密度脂蛋白膽固醇代謝之分子研究(NSC 102-2313-B-320-001-MY3)	共同主持人	2013/8/1 至2016/7/31

016	膳食植化素影響肝細胞IDOL基因表達以及調節LDLR與膽固醇代謝之分子研究(MOST 105-2320-B-320-004-MY3)	共同主持人	2016/8/1 至2019/7/31
017	鄰位氫氧化大豆異黃酮衍生物之神經保護功能探討(MOST 106-2320-B-041 -006 -MY3)	主持人	2017/8/1至2020/7/31
018	膳食植化素降低Angiopietin-like protein 3基因表達與調節血脂質異常之分子研究(MOST-108-2320-B-320-002-MY3)	共同主持人	2019/8/1至2022/7/31
019	異黃酮對慢性骨髓性白血病及急性骨髓性白血病的抑癌機制探討(110-2320-B-041-002 -MY3)	主持人	2021/8/1至2024/7/31

□ Honor

99年國科會補助大專校院獎勵特殊優秀人才
100年國科會補助大專校院獎勵特殊優秀人才
101年國科會補助大專校院獎勵特殊優秀人才
102年國科會補助大專校院獎勵特殊優秀人才
103年科技部補助大專校院獎勵特殊優秀人才
104年科技部補助大專校院獎勵特殊優秀人才
105年科技部補助大專校院獎勵特殊優秀人才

□ Certificate

Google Apps Education Sites Individual Qualification (IQ) (8324) 2014. 8
Google Apps Education Drive Individual Qualification (IQ) (8821) 2014. 8
中華民國技術士-第一種壓力容器操作 2019. 8

□其他計畫 (2018 以後)

1. 藥物粧品暨保健科技教育訓練 主持人 2019/09/01~2020/08/31 \$100,000
2. 建置跨院系發酵試量產與產品開發實作場域 主持人 2018/01/01~2021/08/31 \$18,000,000
3. 以植物工廠培育民間藥草應用於生技藥粧產品之開發 主持人 2019/04/07~2019/12/31
4. 異位性皮膚炎的相關分子探討及治療方式主持人 2020/01/01~2020/12/31 \$700,000
5. 生物轉化保健保養品原料量產開發 共同主持人 2019/08/01~2020/07/31
6. 真菌轉殖開發及發酵效能測試 共同主持人 2019/05/01~2020/04/30

□指導學生所獲頒之榮譽與獎項

校外

1. 顏珮勳、郭俞廷 (2012 南區技專校院師生產學合作實務專題製作競賽 生物科技類組 佳作)
2. 魏秀安 (94年度中國藥學年會 壁報論文第三名)
3. 翁郁晴 (九十三年度中華民國醫事檢驗學會 優秀壁報論文獎)
4. 鄭淑云 (第四十三屆台灣農化學會 優良論文獎)

校內

1. 魏秀安 (嘉南藥理科技大學 2006生科系第二屆師生論文發表會 碩士生組第一名)
2. 涂宜辰 (嘉南藥理科技大學 2006生科系第二屆師生論文發表會 碩士生組佳作)
3. 連子偉 (嘉南藥理科技大學 2007第一屆藥理學院論文發表會 生科系碩士生組第一名)
4. 梁桂容 (嘉南藥理科技大學 2007第一屆藥理學院論文發表會 生科系碩士生組佳作)
5. 林意哲 (國科會大專生專題研究)
6. 洪靖婷 (嘉南藥理科技大學 2008第二屆藥理學院論文發表會 生科系碩士生組第一名)
7. 林意哲 (嘉南藥理科技大學 2008第二屆藥理學院論文發表會 生科系大學生組第三名)
8. 鄧傳柔 (嘉南藥理科技大學 2008第二屆藥理學院論文發表會 生科系大學生組佳作)
9. 駱雅萱 (嘉南藥理科技大學 2009第三屆藥理學院論文發表會 生科系碩士生組第一名)
10. 莊明芬、林惠茹 (嘉南藥理科技大學 第三屆論文發表會 生科系大學生組第二名)
11. 李揚 (嘉南藥理科技大學 2008第二屆藥理學院論文發表會 生科系大學生組佳作)
12. 蘇政典 (嘉南藥理科技大學 2010年藥理學院論文發表會 生科系碩士生組第一名)
13. 陳怡蓁、郭依萍 (嘉南藥理科技大學 2010年藥理學院論文發表會 生科系大學生組第一名)
14. 黃瓊嬌、胡玲瑋 (嘉南藥理科技大學 2011年藥理學院論文發表會 生科系大學生組第一名)
15. 張綺芳 (嘉南藥理科技大學 2012年藥理學院論文發表會 生科系碩士生組第一名)
16. 顏珮勳、郭俞廷 (嘉南藥理科技大學 2012年藥理學院論文發表會 生科系大學生組第二名)
17. 胡玲瑋 (嘉南藥理科技大學 2013年藥理學院論文發表會 生科系碩士生組第二名)
18. 石一均 (嘉南藥理科技大學 2015年藥理學院論文發表會 生科系大學生組第一名)
19. 葉秋伶 (嘉南藥理科技大學 2016年藥理學院論文發表會 生科系大學生組第一名)
20. 李曼伯 (嘉南藥理科技大學 2016年藥理學院論文發表會 生科系大學生組第二名)
21. 沈逸婷 (嘉南藥理科技大學 2016年藥理學院論文發表會 藥學系大學生組第三名)
22. 林奇翰 (嘉南藥理科技大學 2017年藥理學院論文發表會 生科系大學生組第三名)
23. 黃筌韋、邱峻邑 (嘉南藥理科技大學 2017年藥理學院論文發表會 藥學系大學生組第三名)
24. 王憶寧、宋申竣、黃琮凱 (嘉南藥理科技大學 2018年藥理學院論文發表會 生科系大學生組佳作)
25. 林怡伶 (嘉南藥理科技大學 2019年藥理學院論文發表會 生科系大學生組第二名)
26. 吳品萱 (嘉南藥理科技大學 2019年藥理學院論文發表會 生科系大學生組第三名)